

**In the claims:**

Please cancel without prejudice claim 18.

Please amend claims 14, 16, 19, 28, 35, 36 and 38 - 42 in accordance with the attached claim amendments entitled, **AMENDED CLAIMS (MARKED UP)** included herein.

Please add new claims 56 - 65.

A separate document showing the claims as amended and including the new claims is attached herewith entitled, **CLEAN COPY OF PENDING CLAIMS**.

**REMARKS**

This amendment is being made in response to the Office Action mailed on December 8, 2000. Claims 14, 16, 19, 22, 28 and 35 - 55 remain pending from the parent application. Claim 18 is cancelled herein. New claims 56 - 65 are added herein. Claims 14, 16, 19, 28, 35, 36, 38 - 42 are amended herein.

This Preliminary Amendment is Applicants second response to the above referenced Office Action. In an amendment, dated March 7, 2001, Applicants requested that the Examiner reconsider the Application in amended form, reconsider and withdraw the finality of the rejections to the claims and further clarify the rejections to the claims. In an Advisory Action, dated March 21, 2001, the Examiner stated that Applicants amendment does not place the application in condition for allowance because the Furusawa, Wakabayashi et al. and Beller et al references read on the claimed limitations. Applicants request that the earlier amendment, dated March 7, 2001, be entered if it has not already been entered. The March 7, 2001 amendment includes corrections of typographical errors to the specifications and to claims 35 and 47.

Claim 14 is rejected under 35 U.S.C. 102(e) as being anticipated by Furusawa. Applicant's submit that amended claim 14 overcomes the rejection.

The Examiner states that Furusawa teaches a video presentation system utilizing both a bar code and a video camera in association with the system. Applicants amended claim 14, includes the step of, "storing a predetermined identifying name of the element in a memory module contained within the video camera system." This step is not anticipated by Furusawa et al., which is completely silent with regard to storing an element name in a memory contained within the camera. Applicant's amended claim 14

also includes the step of "interpreting the electrical signal within the video camera system to identify the element to the video camera." Here the electrical signal refers to the signal generated by scanning a barcode. Furusawa et al. do not anticipate this step because Furusawa et al. clearly perform this step within the video presentation system and not within the video camera. At Col. 6, lines 58 - 65, Furusawa et al. state, "a CPU processing unit 11 solely keeps all data including the video data." It is noted by Applicant's that the CPU 11 is not contained within the video camera system. Amended claim 14 includes the step of, "storing the digital video image of the element in the memory module with the identifying name of the element associated therewith." Applicant's point out that according to amended claim 14 the memory module is contained within the video camera system. Furusawa et al. do not anticipate this step because there is no mention of a memory within the video camera system. Amended claim 14 includes the step of, scanning the barcode with a barcode scanner directly connected to the video camera system." Furusawa et al. do not anticipate this step because there is no barcode scanner directly connected to the video camera system. Also, in Applicant's amended claim 14, the step of, "associating a barcode with the element" refers to associating the barcode with the element before the video image of the element is captured. According to Applicants invention, the video camera operator scans the barcode, (which may be a barcode label attached directly to or near the element), before capturing the video image of the element. According to Furusawa et al., the video display operator scans the barcode, which appears on the display unit of the video presentation system. Accordingly, the scanning by Furusawa et al. is not associated with the video camera system and occurs at a time after the capture of the video image by the video camera system. For the reasons stated above, Applicant's respectfully submit that the teachings of Furusawa et al. do not anticipate that amended claim 14.

Reconsideration and withdrawal of the rejection of claim 14 under 35 U.S.C. 102(e) as being anticipated by Furusawa is hereby requested.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Furusawa. Applicants respectfully submit that amended claim 16 overcomes the rejection. For the reasons stated above, with respect to claim 14, Applicants submit that Furusawa et al. fail to teach or suggest all of the claimed limitations of amended claim 16. Reconsideration and withdrawal of the rejection of claim 16 under 35 U.S.C. 103(a) as being unpatentable over Furusawa is hereby requested.

Claims 18, 19, 22, 28 and 38 - 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. Claim 18 is cancelled herein.

The Examiner relies on Wakabayashi et al. for its teaching of a PCMCIA card and a keypad in a video camera system. Applicants respectfully point out that amended claims 19, 28, 39 and 40 do not recite a PCMCIA card or a keypad as an element of the claim. Applicants respectfully submit that Wakabayashi et al. is not relevant to claims 19, 28, 39 and 40.

Applicants respectfully submit that amended claims 19, 22, 28 and 38 - 40 overcome the rejection. Amended claims 19, 22 and 38 - 40 depend from amended claim 14. For the reasons stated above, with respect to claim 14, the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of amended claim 19, 22 and 38 - 40. Reconsideration and withdrawal of the rejection of claims 19, 22 and 38 - 40 under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. is hereby requested.

Amended claim 28 is directed to a method for performing a videographic survey of a plurality of survey elements and includes the step of, "transferring the separate element record for each element of the survey from the base computer to a memory module contained within a video camera system." None of the cited references whether taken alone or in combination teach or suggestion that limitation. Amended claim 28 includes the step of; 'scanning the barcode associated with the selected one of the survey element with a barcode scanner which is in direct communication with the video camera system to determine the identifying name of the selected element thereby identifying the selected element to the video camera system," and, "recalling the element record associated with the selected element from the memory module." None of the cited references whether taken alone or in combination teach or suggestion these limitations. Applicants submit that the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of amended claim 28. Reconsideration and withdrawal of the rejection of claim 28 under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. is hereby requested.

Claims 35 - 37, 41 - 43 and 51 - 54 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Furusawa/Wakabayashi et al. as applied to claim 28 and further in view of Beller et al.

The Examiner relies on Wakabayashi et al. for its teaching of a PCMCIA card and a keypad in a video camera system. Applicants respectfully point out that amended claims 35 - 37 and 51 - 54 do not recite a PCMCIA card or a keypad as an element of the claim. Accordingly, Applicant respectfully submits that Wakabayashi et al. is not relevant to claims 35 - 37 and 51 - 54.

Amended claims 35 and 41 depend from amended claim 28 and further distinguish over amended claim 28. For the reasons stated above with respect to claim 28, Applicants submit that the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of amended claims 35 and 41. Reconsideration and withdrawal of the rejection of claims 35 and 41 under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. and Beller et al. is hereby requested.

Amended claims 36, 37, 42 and 43 are directed to a videographic survey system. Amended claim 36 includes limitations to, "means for transferring the separate element record for each survey element from the base computer to a memory module contained within the video camera system," "a barcode scanner in direct communication with the video camera system," and, "a digital data processor contained with the video camera system for storing the video image of the selected element onto the memory module with the identifying name of the selected survey element associated therewith in response to capturing the video image." Applicants submit that the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of amended claims 36, 37, 42 and 43. Reconsideration and withdrawal of the rejection of claims 36, 37, 42 and 43 under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. and Beller et al. is hereby requested.

Claims 44 -49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Furusawa/Wakabayashi et al. as applied to claim 40 and further in view of Tung et al.

The rejection is respectfully traversed.

Again, the Examiner relies on Wakabayashi et al. for its teaching of a PCMCIA card and a keypad in a video camera system. Applicants respectfully point out that claims 44, 45 and 47 - 49 do not recite a PCMCIA card or a keypad as an element of the claim. Accordingly, Applicant respectfully submits that Wakabayashi et al. is not relevant to claims 44, 45 and 47 - 49.

Amended claims 44 - 49 are directed to an integrated video camera system that includes limitations to;

"a camera memory module in communication with the digital data processor for storing the unique identifying name of the selected element as well as for providing memory space for storing other data associated with the selected element" and,  
a barcode scanner, in communication with the digital data processor."

Applicants submit that the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of claims 44 - 49. Reconsideration and withdrawal of the rejection of claims 44 - 49 under 35 U.S.C. 103(a)

as being unpatentable over Furusawa et al. in view of Wakabayashi et al. and Tung et al. is hereby requested.

Claims 50 and 55 are rejected under U.S.C. 103 (a) as being unpatentable over Furusawa/Wakabayashi et al./Tung et al. as applied to claim 44 and further in view of Dell. The rejection is respectfully traversed.

Claim 50 depends from claim 44 and further distinguishes over claim 44. For the reasons stated above with respect to claim 44 the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of claim 50.

Claim 55 depends from claim 51. This rejection is addressed below.

Claims 51 -54 are finally rejected under 35 U.S.C. 103(a) as being unpatentable over Furusawa/Wakabayashi et al. as applied to claim 28 and further in view of Beller et al. The rejection is respectfully traversed.

The Examiner relies on Wakabayashi et al. for its teaching of a PCMCIA card and a keypad in a video camera system. Applicants respectfully point out that claims 51 and 53 - 55 do not recite a PCMCIA card or a keypad as an element of the claim. Accordingly, Applicant respectfully submits that Wakabayashi et al. is not relevant to claims 51 and 53 - 55.

Claims 51 - 55 are directed to a system for conducting a videographic survey that includes limitations to: "a barcode scanner in communication with the video camera system," and, " a barcode interpreting program loaded onto the video camera system. Applicants submit that the references cited, whether taken alone or in combination, fail to teach or suggest all of the claimed limitations of claims 51 -55. Reconsideration and withdrawal of the rejection of claims 51 - 55 under 35 U.S.C. 103(a) as being unpatentable over Furusawa et al. in view of Wakabayashi et al. and Beller et al. is hereby requested.

New claims 56 - 65 are added herein. Claims 56 - 60 depend from amended claim 14, further distinguishing over amended claim 14. Accordingly these claims include limitations not taught or suggested by the cited references.

New claims 61 - 65 are directed to a method for capturing a video image of an element and include limitations not taught or suggested by the cited references whether taken alone or in combination.

Applicants respectfully submit that this application is in condition for allowance. Favorable reconsideration of the rejected claims and early notice of allowance are hereby requested. If the Examiner feels that an Examiner's amendment or a personal or telephone interview with Applicants representative would put this Application in

condition for allowance, Applicants representative would welcome such an opportunity and can be reached by telephone at 781-863-6480, or e-mail at "kelley.ima@rcn.com".

Submitted for Applicants by

A handwritten signature in cursive script, reading "Edward L. Kelley".

Edward L. Kelley

Agent For Applicants

Reg. No. 41,112

Invention Management Associates

5 Utica Street

Lexington, MA 02420

**AMENDED CLAIMS (MARKED UP)**

**CLAIMS 1 - 13 are cancelled.**

14. (THRICE AMENDED) A method for capturing a video image of an element with a video camera system comprising the steps of;

- (a) storing a predetermined identifying name of the element [and other data relating to the element] in a memory module [associated with] contained within the video camera system;
- (b) associating a barcode with the element, said barcode comprising a bar pattern representative of the predetermined identifying name of the element;
- (c) scanning the barcode with a barcode scanner [associated with] directly connected to the video camera system thereby generating an electrical signal in response to scanning the bar pattern;
- (d) interpreting the electrical signal within the video camera system to identify the element to the video camera system;
- [(e) recalling the identifying name of the element from the memory module in response to the element being identified to the video camera system;
- (f) displaying the identifying name of the element on a display device associated with the video camera system;]
- [(g) e) capturing the video image of the element with the video camera system; [and,]
- (f) processing the video image of the element to provide a digital video image of the element; and,

([h] g) storing the digital video image of the element in the memory module with the identifying name of the element associated therewith.

Claim 15 is canceled

16. (THRICE AMENDED) The method according to claim 14 wherein the step of storing the predetermined identifying name of the element [and the other data relating to the element in a memory module,] further comprises [comprising] the step[s] of:

- (a) establishing an element record on the memory module, said element record at least comprising a [plurality of] first digital data field[s] for storing the identifying name therein, and, a second digital data field for storing the digital video image therein and wherein each digital data field of the element record is associated with the identifying name of the element[data associated with the element on the memory module;
- (b) storing the identifying name of the element in one of the plurality of data fields of the element record; and,
- (c) associating the identifying name of the element with all of the other of the plurality of digital data fields included in the element record].

Claims 17 & 18 are canceled.

19. (THRICE AMENDED) The method of claim 14 further comprising the steps of:

- (a) determining parameters relating to [the] conditions [under which] of capturing the video image of the element [was recorded]; [and,]



(b) storing the parameters in [data fields established on] the memory module;  
and, [with]

(c) associating the parameters with the identifying name of the element  
[associated therewith].

Claims 20 and 21 are canceled.

Claim 22 is pending but is not amended herein.

Claims 23 - 27 are canceled.

28. (THRICE AMENDED) A method for performing a videographic survey of a plurality of survey elements comprising the steps:

- (a) preparing a videographic survey database on a base computer operating a database program for storing and organizing data, the videographic survey database including a separate element record for each of the survey elements with each separate element record comprising [an identifying name] a first digital data field for storing an identifying name of the survey element and a plurality of other digital data fields associated with the identifying name [data field] for storing other data associated with the survey element, the other digital data fields including data fields for storing any one of, a video image, an audio data file, a text data file and a graphics data file;
- (b) transferring the separate element record for each element of the survey from the base computer to a memory module [associated with] contained within a video camera system;

- (c) associating a barcode, including a bar pattern representative of the identifying name of the element, with each of the survey elements;
- (d) selecting one of the survey elements of the videographic survey for recording a video image thereof;
- (e) scanning the barcode associated with the selected one of the survey element with a barcode scanner [associated] which is in direct communication with the video camera system to determine the identifying name of the selected element, thereby identifying the selected element to the video camera system;
- (f) recalling the element record associated with the selected element from the memory module;
- (g) capturing a video image of the selected element with the video camera system;
- (h) converting the video image to a digital video image within the video camera system; and,
- (i) storing the digital video image in an appropriate data field of the element record.

Claims 29 - 34 are canceled.

35. (THRICE AMENDED) The method according to claim 28 wherein the step of preparing a videographic survey database further comprises the steps of:

- (a) converting the identifying name of the element to a barcode pattern using program steps stored on the base computer; [and,]

- (b) printing the barcode pattern representing the identifying name of the element onto a barcode label using a printer associated with the base computer; and,
- (c) locating the barcode label at a location associated with the element.

36. (TWICE AMENDED) A videographic survey system for capturing an image of a plurality of survey elements comprising:

- (a) a base computer for preparing a videographic survey database;
- (b) a database program operating on the base computer for creating a separate element record for each survey element with each separate element record comprising an identifying name data field for storing an identifying name of the survey element therein and a plurality of other data fields associated with the identifying name data field for storing other data associated with the survey element;
- (c) a video camera system for capturing a video image of a selected survey element;
- (d) means for transferring the separate element record for each survey element from the base computer to a memory module [associated with] contained within the video camera system;
- (e) a plurality of barcode labels associated one with each of the plurality of survey elements of the videographic survey, each barcode label including a bar pattern representative of the identifying name of the survey element associated therewith;

- (f) a barcode scanner [associated] in direct communication with the video camera system for scanning the barcode label associated with the selected survey element to identify the selected survey element to the video camera system; and,
- (g) a digital data processor [associated with] contained within the video camera system for storing the video image of the selected survey element onto the memory module with the identifying name of the selected survey element associated therewith in response to capturing the video image.

Claim 37 is pending but not amended herein.

38. (TWICE AMENDED) The method according to claim 14 wherein the [video camera system includes] memory module comprises a removable memory module [which installs] installed into a memory module port of the video camera system [for communicating with the video camera system further comprising] and wherein the step of[:]

storing the digital video image of the element in the memory module stores the digital video image in the [onto the] removable memory module [for removal of the video image of the element from the video camera system].

39. (THRICE AMENDED) The method according to claim 14 wherein the element comprises a plurality of elements and wherein each of the plurality of elements has a predetermined identifying name and a barcode comprising a bar pattern representative of the predetermined identifying name associated therewith; and further wherein, the step of storing the predetermined identifying name of the element

[and the other data relating to the element] in the memory module is repeated for each of the plurality of elements, further comprising the steps of;

- (a) selecting any one of the plurality of elements in any order; and,
- (b) repeating steps c - [h]g, of claim 14, until a video image of up to all of the plurality of elements is stored [on] in the memory module.

40. (THRICE AMENDED) The method according to claim 14 wherein the video camera system includes a display device further comprising the steps of:

- (a) displaying the video image of the element on the display device; and,
- (b) [simultaneously with] displaying the identifying name [of] associated with the element on the display device simultaneously with displaying the video image of the element [associated with the video camera system].

41. (THRICE AMENDED) The method according to claim 28 wherein the step of transferring the separate element record for each element of the survey from the base computer to a memory module [associated with a] contained within the video camera system further comprises the steps of one of:

- (a) connecting the video camera system with the base computer by an interface cable and transferring the element record from the base computer to the memory module [associated with] contained with the video camera system via the interface cable; and,
- (b) removing a removable memory module from a memory port provided in the video camera system and installing the removable memory module into a memory port provided on the base computer;

(c) [for] transferring the element record from the base computer to the removable memory module; and,

(d) thereafter returning the removable memory module to the video camera system.

42. (TWICE AMENDED) The videographic survey system according to claim 36 wherein said means for transferring separate element records to the memory module associated with the video camera system comprises one of:

- (a) an interface cable connected between the base computer and the video camera system for transferring the element records from the base computer to the memory module associated with the video camera system via the interface cable; and,
- (b) a removable memory module which is movable between a memory port of the video camera system and a memory port [associated with] of the base computer for interfacing with the removable memory module for transferring the element records from the base computer to the removable memory module and thereafter returning the removable memory module to the video camera system.

Claims 43 - 55 remain pending but are not amended herein.